Cytometer Performance Report

Cytometer:	FACSCantoII	User:	BDService
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/13/2017 06:25 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123964	-1	1.17	123846	1.13
Blue	F	SSC	125000	124133	-1	2.59	124514	2.35
Blue	E	FITC	23615	23031	-3	2.31	1020	10.29
Blue	D	PE	26739	26462	-2	1.87	948	9.61
Blue	B	PerCP-Cy5-5	48339	47479	-2	3.27	1368	16.92
Blue	A	PE-Cy7	45021	44216	-2	4.86	685	35.84
Red	C	APC	53064	51930	-3	2.75	3001	9.51
Red	A	APC-Cy7	57175	56905	-1	2.74	1178	11.52
Violet	B	V450	14728	14188	-4	5.38	682	9.76
Violet	A	V500	58621	56973	-3	5.19	2520	7.23

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19751	1.95	606	-8	N/A	N/A	Pass
Blue	F	SSC	61350	1.45	544	-2	N/A	N/A	Pass
Blue	E	FITC	116	40.90	546	-2	0.0212	293	Pass
Blue	D	PE	209	29.27	535	-1	0.1761	298	Pass
Blue	B	PerCP-Cy5-5	215	46.04	634	-1	0.0101	140	Pass
Blue	A	PE-Cy7	74	121.79	693	0	0.0117	18	Pass
Red	C	APC	349	27.86	599	2	0.0200	65	Pass
Red	A	APC-Cy7	129	41.78	585	5	0.0052	1628	Pass
Violet	B	V450	83	43.99	462	-8	0.0476	2295	Pass
Violet	A	V500	185	23.49	489	-8	0.0157	790	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.57	-31.28	0.92
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.34
Red	17.95	14.40 - 21.60	N/A	N/A	31.28	31.41	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10792

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments